

(FILE 'HOME' ENTERED AT 17:00:03 ON 22 FEB 2003)

FILE 'BIOSIS, MEDLINE, INPADOC, CAPLUS' ENTERED AT 17:01:13 ON 22 FEB 2003

L1 175 DCOH

L2 84 DUPLICATE REMOVE L1 (91 DUPLICATES REMOVED)

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L2 ANSWER 65 OF 84 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.DUPLICATE  
40  
AN 1995:261703 BIOSIS  
DN PREV199598276003  
TI Crystal Structure of **DCoH**, a Bifunctional, Protein-Binding  
Transcriptional Coactivator.  
AU Endrizzi, James A. (1); Cronk, Jeff D. (1); Wang, Weidong; Crabtree,  
Gerald R.; Alber, Tom (1)  
CS (1) Dep. Mol. Cell Biol., Univ. California, Berkeley, CA 94720-3206 USA  
SO Science (Washington D C), (1995) Vol. 268, No. 5210, pp. 556-559.  
ISSN: 0036-8075.  
DT Article  
LA English  
AB **DCoH**, the dimerization cofactor of hepatocyte nuclear factor-1,  
stimulates gene expression by associating with specific DNA binding  
proteins and also catalyzes the dehydration of the biopterin cofactor of  
phenylalanine hydroxylase. The x-ray crystal structure determined at 3  
angstrom resolution reveals that **DCoH** forms a tetramer  
containing two saddle-shaped grooves that comprise likely macromolecule  
binding sites. Two equivalent enzyme active sites flank each saddle,  
suggesting that there is a spatial connection between the catalytic and  
binding activities. Structural similarities between the **DCoH**  
fold and nucleic acid-binding proteins argue that the saddle motif has  
evolved to bind diverse ligands or that **DCoH** unexpectedly may  
bind nucleic acids.

L2 ANSWER 45 OF 84 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.  
AN 1998:291995 BIOSIS  
DN PREV199800291995  
TI 4a-Carbinolamine dehydratase (DCoH) controls the supply of  
L-tyrosine as well as the transcription of the tyrosinase gene in human  
melanocytes.  
AU Wood, J. M. (1); Hibberts, N. A. (1); Wei, Y. W. (1); Stier, G.; Ficner,  
R.; Ashraf, W. (1); Lindsey, N. J. (1); Schallreuter, K. U. (1)  
CS (1) Clinical and Experimental Dermatol., Dep. Biomed. Sci., Univ.  
Bradford, Bradford UK  
SO Journal of Dermatological Science, (March, 1998) Vol. 16, No. SUPPL. 1,  
pp. S6.  
Meeting Info.: Third Joint Meeting of the European Society for  
Dermatological Research, Japanese Society for Investigative Dermatology,  
Society for Investigative Dermatology Cologne, Germany May 7-10, 1998  
European Society for Dermatological Research  
. ISSN: 0923-1811.  
DT Conference  
LA English